


DEFENSE INFORMATION SYSTEMS AGENCY
Interoperability Directorate, 5600 Columbia Pike, Falls Church, VA 22041-2717
SYMBOLGY STANDARDS MANAGEMENT COMMITTEE DIRECTIVE

SSMC NO: 2-03		Date: July 24, 2003																																									
CP No: MIL01-08		Title: Change Symbol, Final Protective Area (FPF)																																									
Originator, Name and Address: PM FATDS																																											
SSMC Action: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Approved with Changes <input type="checkbox"/> Withdrawn <input type="checkbox"/> Deferred <input type="checkbox"/> Declared Substantive By: <input type="checkbox"/> Disapproved <input type="checkbox"/> Testing Required <input type="checkbox"/> Prior to Decision <input type="checkbox"/> Subsequent to Decision <input type="checkbox"/> Allied Coordination Required Votes Cast/Proposed Change <table style="width: 100%; border: none;"><thead><tr><th style="text-align: left;">Approve</th><th style="text-align: left;">Disapprove</th><th style="text-align: left;">Abstain</th><th style="text-align: left;">N/A</th><th></th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>USA</td></tr><tr><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>USN</td></tr><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td>USMC</td></tr><tr><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>USAF</td></tr><tr><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>NIMA</td></tr><tr><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>DIA</td></tr><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>DISA</td></tr></tbody></table>		Approve	Disapprove	Abstain	N/A		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	USA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	USN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	USMC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	USAF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NIMA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DIA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DISA	Decision: Approved as submitted.	
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		Chairperson <div style="text-align: center;"> (Signature)</div>																																									

SYMBOLGY CONFIGURATION MANAGEMENT CHANGE PROPOSAL FORM			
CHANGE PROPOSAL NUMBER		MIL01-08	
ORIGINATOR	SPONSOR	DATE RECEIVED	DATE OF ACTION
PM FATDS	ARMY	July 25, 2001	July 24, 2003
CHANGE PROPOSAL TITLE			
CHANGE SYMBOL, Final Protective Fire (FPF)			
SUGGESTED CHANGE			
<p>The Fire Support community has a requirement to change a symbol in MIL-STD-2525B.</p> <ol style="list-style-type: none"> 1. Change is required to the Final Protective Fire (FPF) symbol to correct errors that exist in MIL-STD-2525B. 2. Recommend changes to hierarchy item 2.X.4, Fire Support, under the "Lines" hierarchy, "Final Protective Fire (FPF)", 2.X.4.2.1.2. 			
OVERVIEW			
<p>The current Final Protective Fire (FPF) symbol in MIL-STD-2525B is incorrect. As stated in FM 6-20-40, page D-4, "An FPF is a type of a priority fire which is similar to a linear target. The symbol used includes the target number, the designation "FPF", and the system and/or unit to deliver fires." Incorporation into MIL-STD-2525B, which will be used in JMTK and GSD, will allow the symbols to be transmitted, received, and correctly displayed by all battlefield systems. The Final Protective Fire (FPF) is a required symbol for use in the COP/CTP to be shared across the battlefield. The development of the COP/CTP is required of all ABCS component systems. Fire Support systems are the producer of the Final Protective Fire (FPF) for the COP/CTP. Fire Support systems will retain this capability for fielding throughout the Army and USMC.</p>			
OPERATIONAL DESCRIPTION			
<p>In general, the Final Protective Fire (FPF) symbol as it is currently depicted in MIL-STD-2525B is incorrect. As stated in FM 6-20-40, page D-4, "An FPF is a type of a priority fire which is similar to a linear target. The symbol used includes the target number, the designation "FPF", and the system and/or unit to deliver fires." Two (2) point locations are required to graphically display a Final Protective Fire (FPF). The minimum information required to interoperate with another system is defined below.</p>			
IMPLEMENTATION			
<p>Description: Fire Support, Lines, Linear Target, Final Protective Fire (FPF)</p>			
<p>Parameters:</p> <ol style="list-style-type: none"> 1. Anchor Points. This graphic requires two (2) anchor points. Point 1 defines the start point of the graphic. Point 2 defines the end point of the graphic. 2. Size/Shape. Size: The anchor points define the size. Shape: Line. The information fields should be scaleable and movable along the line. 3. Orientation. As determined by the anchor points. 			
<p>Fixed/Dynamic: Dynamic</p>			
<p>Hierarchy: 2.X.4.2.1.2</p>			
<p>Symbol ID: G*F*LTF---****X</p>			

SYMBOLGY CONFIGURATION MANAGEMENT CHANGE PROPOSAL FORM			
CHANGE PROPOSAL NUMBER		MIL01-08	
ORIGINATOR	SPONSOR	DATE RECEIVED	DATE OF ACTION
PM FATDS	ARMY	July 25, 2001	July 24, 2003
CHANGE PROPOSAL TITLE			
CHANGE SYMBOL, Final Protective Fire (FPF)			
Tactical Graphic:		Example:	
JIEO ANALYSIS			
<p>OVERVIEW: This Change Proposal is a result of the Fire Support community requirement to change the Final Protective Fire symbol and correct errors that exist in MIL-STD-2525B. The current FPF in MIL-STD-2525B is doctrinally incorrect. This CP changes the graphic from (3) to (2) anchor points which define and determine the length of the line. It will allow the symbols to be transmitted, received and displayed by all battlefield systems. This results in a (2) point location to properly display an FPF. Hierarchy and Symbol ID conform with the approved hierarchy and Symbol ID from SSMC 2-01.</p> <p>POTENTIAL CONFLICTS WITH EXISTING SYMBOLGY: None known.</p> <p>CONFORMANCE TO SYMBOL GUIDELINES: The proposed linear symbol follows the rules concerning composition, construction, display and transmission previously set forth in the standard.</p> <p>ADEQUACY AND IMPACT ON OTHER PROGRAMS: If approved, the additions made to MIL-STD-2525 symbol identifiers must be provided to VMF standard's community for review and action as appropriate.</p>			
C/S/A COMMENTS			
DECISION NOTICE			
Approved at SSMC 2-03.			

Tasks:

1. Modify Figure B-17 to reflect new hierarchy structure (Figure B-17 becomes Figures B-17.1 and B17.2) and addition of new Fire Support graphics.

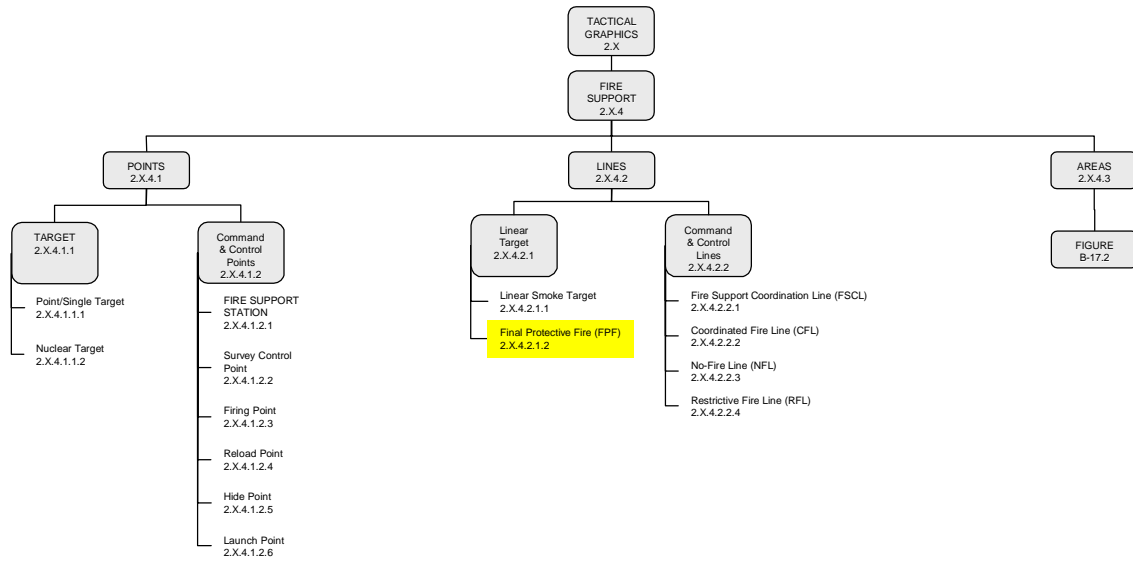


Figure B-17.1. Fire Support.

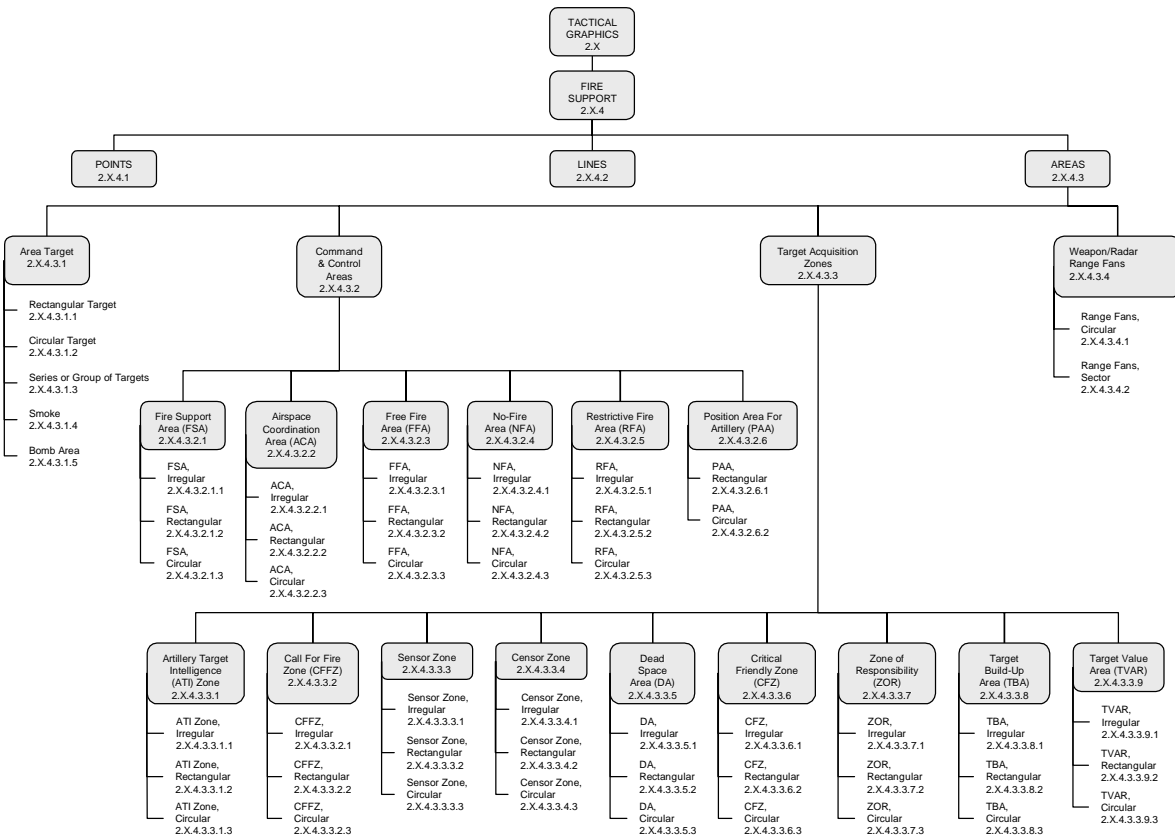


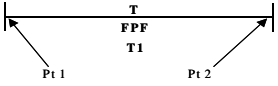
Figure B-17.2. Fire Support.

2. Modify Table B-III to reflect restructured hierarchy numbers, provide new symbol IDs for restructured graphics and addition of new graphics' hierarchy numbers and symbol IDs.

HIERARCHY	CODE SCHEME	AFFILIATION	CATEGORY	STATUS	FUNCTION ID			SIZE/MOBILITY	COUNTRY CODE	ORDER OF BATTLE	DESCRIPTION
2.X.4	G	*	F	*	--	--	--	**	**	X	FIRE SUPPORT
2.X.4.1	G	*	F	*	P-	--	--	**	**	X	POINT
2.X.4.1.1	G	*	F	*	PT	--	--	**	**	X	TARGET
2.X.4.1.1.1	G	*	F	*	PT	S-	--	**	**	X	POINT/SINGLE TARGET
2.X.4.1.1.2	G	*	F	*	PT	N-	--	**	**	X	NUCLEAR TARGET
2.X.4.1.2	G	*	F	*	PC	--	--	**	**	X	COMMAND AND CONTROL
2.X.4.1.2.1	G	*	F	*	PC	F-	--	**	**	X	FIRE SUPPORT STATION
2.X.4.1.2.2	G	*	F	*	PC	S-	--	**	**	X	SURVEY CONTROL POINT (SCP)
2.X.4.1.2.3	G	*	F	*	PC	B-	--	**	**	X	FIRING POINT
2.X.4.1.2.4	G	*	F	*	PC	R-	--	**	**	X	RELOAD POINT
2.X.4.1.2.5	G	*	F	*	PC	H-	--	**	**	X	HIDE POINT
2.X.4.1.2.6	G	*	F	*	PC	L-	--	**	**	X	LAUNCH POINT
2.X.4.2	G	*	F	*	L-	--	--	**	**	X	LINES
2.X.4.2.1	G	*	F	*	LT	--	--	**	**	X	LINEAR TARGET
2.X.4.2.1.1	G	*	F	*	LT	S-	--	**	**	X	LINEAR SMOKE TARGET
2.X.4.2.1.2	G	*	F	*	LT	F-	--	**	**	X	FINAL PROTECTIVE FIRE (FPF)
2.X.4.2.2	G	*	F	*	LC	--	--	**	**	X	COMMAND AND CONTROL
2.X.4.2.2.1	G	*	F	*	LC	F-	--	**	**	X	FIRE SUPPORT COORDINATION LINE (FSCL)
2.X.4.2.2.2	G	*	F	*	LC	C-	--	**	**	X	COORDINATED FIRE LINE (CFL)
2.X.4.2.2.3	G	*	F	*	LC	N-	--	**	**	X	NO-FIRE LINE (NFL)
2.X.4.2.2.4	G	*	F	*	LC	R-	--	**	**	X	RESTRICTIVE FIRE LINE (RFL)
2.X.4.3	G	*	F	*	A-	--	--	**	**	X	AREAS
2.X.4.3.1	G	*	F	*	AT	--	--	**	**	X	AREA TARGET
2.X.4.3.1.1	G	*	F	*	AT	R-	--	**	**	X	RECTANGULAR TARGET
2.X.4.3.1.2	G	*	F	*	AT	C-	--	**	**	X	CIRCULAR TARGET
2.X.4.3.1.3	G	*	F	*	AT	G-	--	**	**	X	SERIES OR GROUP OF TARGETS
2.X.4.3.1.4	G	*	F	*	AT	S-	--	**	**	X	SMOKE
2.X.4.3.1.5	G	*	F	*	AT	B-	--	**	**	X	BOMB AREA
2.X.4.3.2	G	*	F	*	AC	--	--	**	**	X	COMMAND AND CONTROL
2.X.4.3.2.1	G	*	F	*	AC	S-	--	**	**	X	FIRE SUPPORT AREA (FSA)
2.X.4.3.2.1.1	G	*	F	*	AC	SI	--	**	**	X	FIRE SUPPORT AREA (FSA), IRREGULAR
2.X.4.3.2.1.2	G	*	F	*	AC	SR	--	**	**	X	FIRE SUPPORT AREA (FSA), RECTANGULAR
2.X.4.3.2.1.3	G	*	F	*	AC	SC	--	**	**	X	FIRE SUPPORT AREA (FSA), CIRCULAR
2.X.4.3.2.2	G	*	F	*	AC	A-	--	**	**	X	AIRSPACE COORDINATION AREA (ACA)
2.X.4.3.2.2.1	G	*	F	*	AC	AI	--	**	**	X	AIRSPACE COORDINATION AREA (ACA), IRREGULAR
2.X.4.3.2.2.2	G	*	F	*	AC	AR	--	**	**	X	AIRSPACE COORDINATION AREA (ACA), RECTANGULAR
2.X.4.3.2.2.3	G	*	F	*	AC	AC	--	**	**	X	AIRSPACE COORDINATION AREA (ACA), CIRCULAR
2.X.4.3.2.3	G	*	F	*	AC	F-	--	**	**	X	FREE FIRE AREA (FFA)
2.X.4.3.2.3.1	G	*	F	*	AC	FI	--	**	**	X	FREE FIRE AREA (FFA), IRREGULAR
2.X.4.3.2.3.2	G	*	F	*	AC	FR	--	**	**	X	FREE FIRE AREA (FFA), RECTANGULAR
2.X.4.3.2.3.3	G	*	F	*	AC	FC	--	**	**	X	FREE FIRE AREA (FFA), CIRCULAR
2.X.4.3.2.4	G	*	F	*	AC	N-	--	**	**	X	NO-FIRE AREA (NFA)
2.X.4.3.2.4.1	G	*	F	*	AC	NI	--	**	**	X	NO-FIRE AREA (NFA), IRREGULAR
2.X.4.3.2.4.2	G	*	F	*	AC	NR	--	**	**	X	NO-FIRE AREA (NFA), RECTANGULAR
2.X.4.3.2.4.3	G	*	F	*	AC	NC	--	**	**	X	NO-FIRE AREA (NFA), CIRCULAR

DESCRIPTION	ORDER OF BATTLE	COUNTRY CODE	SIZE/MOBILITY	FUNCTION ID	STATUS	CATEGORY	AFFILIATION	CODE SCHEME	HIERARCHY
RESTRICTIVE FIRE AREA (RFA)	X	**	**	AC R- --	*	F	*	G	2.X.4.3.2.5
RESTRICTIVE FIRE AREA (RFA), IRREGULAR	X	**	**	AC RI --	*	F	*	G	2.X.4.3.2.5.1
RESTRICTIVE FIRE AREA (RFA), RECTANGULAR	X	**	**	AC RR --	*	F	*	G	2.X.4.3.2.5.2
RESTRICTIVE FIRE AREA (RFA), CIRCULAR	X	**	**	AC RC --	*	F	*	G	2.X.4.3.2.5.3
POSITION AREA FOR ARTILLERY (PAA)	X	**	**	AC P- --	*	F	*	G	2.X.4.3.2.6
POSITION AREA FOR ARTILLERY (PAA), RECTANGULAR	X	**	**	AC PR --	*	F	*	G	2.X.4.3.2.6.1
POSITION AREA FOR ARTILLERY (PAA), CIRCULAR	X	**	**	AC PC --	*	F	*	G	2.X.4.3.2.6.2
TARGET ACQUISITION ZONES	X	**	**	AZ -- --	*	F	*	G	2.X.4.3.3
ARTILLERY TARGET INTELLIGENCE (ATI) ZONE	X	**	**	AZ I- --	*	F	*	G	2.X.4.3.3.1
ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, IRREGULAR	X	**	**	AZ II --	*	F	*	G	2.X.4.3.3.1.1
ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, RECTANGULAR	X	**	**	AZ IR --	*	F	*	G	2.X.4.3.3.1.2
ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, CIRCULAR	X	**	**	AZ IC --	*	F	*	G	2.X.4.3.3.1.3
CALL FOR FIRE ZONE (CFFZ)	X	**	**	AZ X- --	*	F	*	G	2.X.4.3.3.2
CALL FOR FIRE ZONE (CFFZ), IRREGULAR	X	**	**	AZ XI --	*	F	*	G	2.X.4.3.3.2.1
CALL FOR FIRE ZONE (CFFZ), RECTANGULAR	X	**	**	AZ XR --	*	F	*	G	2.X.4.3.3.2.2
CALL FOR FIRE ZONE (CFFZ), CIRCULAR	X	**	**	AZ XC --	*	F	*	G	2.X.4.3.3.2.3
SENSOR ZONE	X	**	**	AZ S- --	*	F	*	G	2.X.4.3.3.3
SENSOR ZONE, IRREGULAR	X	**	**	AZ SI --	*	F	*	G	2.X.4.3.3.3.1
SENSOR ZONE, RECTANGULAR	X	**	**	AZ SR --	*	F	*	G	2.X.4.3.3.3.2
SENSOR ZONE, CIRCULAR	X	**	**	AZ SC --	*	F	*	G	2.X.4.3.3.3.3
CENSOR ZONE	X	**	**	AZ C- --	*	F	*	G	2.X.4.3.3.4
CENSOR ZONE, IRREGULAR	X	**	**	AZ CI --	*	F	*	G	2.X.4.3.3.4.1
CENSOR ZONE, RECTANGULAR	X	**	**	AZ CR --	*	F	*	G	2.X.4.3.3.4.2
CENSOR ZONE, CIRCULAR	X	**	**	AZ CC --	*	F	*	G	2.X.4.3.3.4.3
DEAD SPACE AREA (DA)	X	**	**	AZ D- --	*	F	*	G	2.X.4.3.3.5
DEAD SPACE AREA (DA), IRREGULAR	X	**	**	AZ DI --	*	F	*	G	2.X.4.3.3.5.1
DEAD SPACE AREA (DA), RECTANGULAR	X	**	**	AZ DR --	*	F	*	G	2.X.4.3.3.5.2
DEAD SPACE AREA (DA), CIRCULAR	X	**	**	AZ DC --	*	F	*	G	2.X.4.3.3.5.3
CRITICAL FRIENDLY ZONE (CFZ)	X	**	**	AZ F- --	*	F	*	G	2.X.4.3.3.6
CRITICAL FRIENDLY ZONE (CFZ), IRREGULAR	X	**	**	AZ FI --	*	F	*	G	2.X.4.3.3.6.1
CRITICAL FRIENDLY ZONE (CFZ), RECTANGULAR	X	**	**	AZ FR --	*	F	*	G	2.X.4.3.3.6.2
CRITICAL FRIENDLY ZONE (CFZ), CIRCULAR	X	**	**	AZ FR --	*	F	*	G	2.X.4.3.3.6.3
ZONE OF RESPONSIBILITY (ZOR)	X	**	**	AZ Z- --	*	F	*	G	2.X.4.3.3.7
ZONE OF RESPONSIBILITY (ZOR), IRREGULAR	X	**	**	AZ ZI --	*	F	*	G	2.X.4.3.3.7.1
ZONE OF RESPONSIBILITY (ZOR), RECTANGULAR	X	**	**	AZ ZR --	*	F	*	G	2.X.4.3.3.7.2
ZONE OF RESPONSIBILITY (ZOR), CIRCULAR	X	**	**	AZ ZC --	*	F	*	G	2.X.4.3.3.7.3
TARGET BUILD-UP AREA (TBA)	X	**	**	AZ B- --	*	F	*	G	2.X.4.3.3.8
TARGET BUILD-UP AREA (TBA), IRREGULAR	X	**	**	AZ BI --	*	F	*	G	2.X.4.3.3.8.1
TARGET BUILD-UP AREA (TBA), RECTANGULAR	X	**	**	AZ BR --	*	F	*	G	2.X.4.3.3.8.2
TARGET BUILD-UP AREA (TBA), CIRCULAR	X	**	**	AZ BC --	*	F	*	G	2.X.4.3.3.8.3
TARGET VALUE AREA (TVAR)	X	**	**	AZ V- --	*	F	*	G	2.X.4.3.3.9
TARGET VALUE AREA (TVAR), IRREGULAR	X	**	**	AZ VI --	*	F	*	G	2.X.4.3.3.9.1
TARGET VALUE AREA (TVAR), RECTANGULAR	X	**	**	AZ VR --	*	F	*	G	2.X.4.3.3.9.2
TARGET VALUE AREA (TVAR), CIRCULAR	X	**	**	AZ VC --	*	F	*	G	2.X.4.3.3.9.3
WEAPON/RADAR RANGE FAN	X	**	**	AX -- --	*	F	*	G	2.X.4.3.4
WEAPON/RADAR RANGE FAN, CIRCULAR	X	**	**	AX C- --	*	F	*	G	2.X.4.3.4.1
WEAPON/RADAR RANGE FAN, SECTOR	X	**	**	AX S- --	*	F	*	G	2.X.4.3.4.2

3. Modify and amend Table B-IV as needed to agree with Figure B-17.1, B-17.2 and Table B-III as shown above.

DESCRIPTION	STATIC/ DYNAMIC	HIERARCHY	TACTICAL GRAPHIC
		SYM-ID	
FIRE SUPPORT LINES	N/A	2.X.4.2	
FIRE SUPPORT LINES FINAL PROTECTIVE FIRE (FPF) <u>Parameters</u> 1. Anchor points. This graphic requires (2) anchor points. Point 1 defines the start point of the graphic. Point 2 defines the end point of the graphic. 2. Size/Shape. Size: The anchor point defines the size. Shape: Line. The information fields should be scaleable and moveable along the line. 3. Orientation. As determined by the anchor points.	D	2.X.4.2.1.2	
		G*F*LTF---***X	
		Example	